

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070267419"	US-PGPUB	AND	OFF	2008/08/18 16:04
S2	1	("5925511").PN.	USPAT; USOCR	OR	OFF	2008/08/18 16:09
S3	1	("6440285").PN.	USPAT; USOCR	OR	OFF	2008/08/18 16:11
S4	1	("6542778").PN.	USPAT; USOCR	OR	OFF	2008/08/18 16:12
S5	1	("6465225").PN.	USPAT; USOCR	OR	OFF	2008/08/18 16:14
S6	1	("6492175").PN.	USPAT; USOCR	OR	OFF	2008/08/18 16:14
S7	1	"20060131196"	US-PGPUB	OR	OFF	2008/08/18 16:16
S8	1	"20060188865"	US-PGPUB	OR	OFF	2008/08/18 16:18
S9	1	"20060283197"	US-PGPUB	OR	OFF	2008/08/18 16:18
S10	1	("7393629").PN.	USPAT; USOCR	OR	OFF	2008/08/18 16:25
S11	1	"20060194309"	US-PGPUB	OR	OFF	2008/08/18 16:26
S12	1	"20060154232"	US-PGPUB	OR	OFF	2008/08/18 16:26
S13	1	("6931864").PN.	USPAT; USOCR	OR	OFF	2008/08/18 16:28
S14	1	"20050069861"	US-PGPUB	OR	OFF	2008/08/18 16:30
S15	1	"20050037329"	US-PGPUB	OR	OFF	2008/08/18 16:31
S16	35	US-4455842-\$ DID. OR US-4481779-\$ DID. OR US-4680945-\$ DID. OR US-5048300-\$ DID. OR US-5309981-\$ DID. OR US-5601143-\$ DID. OR US-5632151-\$ DID. OR US-5660053-\$ DID. OR US-5976871-\$ DID. OR US-20030066639-\$ DID. OR US-20030140648-\$ DID. OR US-3407458-\$ DID. OR US-3517518-\$ DID. OR US-4012600-\$ DID. OR US-4116500-\$ DID. OR US-4406145-\$ DID. OR US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/18 16:39

		1331018-\$.DID.				
S17	1	"20070169488"	US-PGPUB	OR	OFF	2008/08/18 17:13
S18	5	("4884626"   "5433141"   "5434378").PN. OR ("5601143").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 17:17
S19	43	("0727609"   "1903171"   "2662379"   "2883040"   "2892563"   "2948123"   "3029967"   "3074586"   "3160307"   "3238002"   "3309893"   "4129450"   "4154363").PN. OR ("4481779").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 17:20
S20	1	("5873254").PN.	USPAT; USOCR	OR	OFF	2008/08/19 08:40
S21	1	("6044648").PN.	USPAT; USOCR	OR	OFF	2008/08/19 08:41
S22	32	("0671608"   "2089428"   "3058317"   "3121999"   "3421336"   "3446028"   "3464222"   "3492831"   "3570262"   "3638443"   "4116017"   "4213501"   "4327799"   "4726195"   "5388415").PN. OR ("6044648").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/19 08:47
S23	1089070	(porous\$3) (pore) (permea \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/19 09:01
S24	656	62/373.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/19 09:02
S25	721	62/451.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/19 09:02
S26	651	62/457.9.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/19 09:02

S27	33	S23 S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 09:02
S28	16	S23 S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 09:02
S29	64	S23 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 09:03
S30	3	(US-4481779-\$ or US-6044648-\$ or US-3595030-\$).did.	USPAT	OR	OFF	2008/08/19 10:20
S31	0	S30 grid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 10:20
S32	1	S30 mesh	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 10:20
S33	1	S30 metal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 10:33
S34	3	S30 heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 10:42
S35	9	(US-20060283197-\$).did. or (US-5309981-\$ or US-5601143-\$ or US-5976871-\$ or US-4680945-\$ or US-6968711-\$ or US-6584797-\$).did. or (US-2639593-\$ or US-2432042-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/19 10:44

S36	7	S35 heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/08/19 10:44
S37	35	US-4455842-\$.DID. OR US-4481779-\$.DID. OR US-4680945-\$.DID. OR US-5048300-\$.DID. OR US-5309981-\$.DID. OR US-5601143-\$.DID. OR US-5632151-\$.DID. OR US-5660053-\$.DID. OR US-5976871-\$.DID. OR US-20030066639-\$.DID. OR US-20030140648-\$.DID. OR US-3407458-\$.DID. OR US-3517518-\$.DID. OR US-4012600-\$.DID. OR US-4116500-\$.DID. OR US-4406145-\$.DID. OR US-1331018-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/19 10:48
S38	14	S37 heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 10:48
S39	122438	"62".das.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:05
S40	51925	(cryo\$gen\$3) or (cryo adj gen\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:06
S41	2	S39 S40 (remov\$4 near bell)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:07
S42	56	S39 S40 (remov\$4 near cover)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:09

S43	0	S39 S40 (remov\$4 near cover near transparent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:09
S44	2	S39 S40 (remov\$4 near cover same transparent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:09
S45	604	(sample\$lock\$3) or (sample adj lock\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:36
S46	3	S39 S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 11:36
S47	5	(US-5601143-\$ or US-5976871-\$ or US-4481779-\$ or US-6044648-\$ or US-3595030-\$).did.	USPAT	OR	OFF	2008/08/19 13:05
S48	249698	(temperature\$sensor\$1) or (temperature adj3 sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:06
S49	0	S47 S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:06
S50	4	S47 temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:07
S51	0	S47 thermometer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:10

S52	1	S47 sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:12
S53	3	S47 valve	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:13
S54	141909	(pulse\$generator\$1) or (pulse adj generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:19
S55	125	S48 same valve same S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:19
S56	3	S39 S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:19
S57	14	(S48 cooling space).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:22
S58	1	("5778689").PN.	USPAT; USOCR	OR	OFF	2008/08/19 13:28
S59	147	(temperature adj sensor) same (valve) same (control) same (pulse generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:31
S60	7	(temperature adj sensor) adj3 (cooling adj space)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:34

S61	4	S59 S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:41
S62	141913	(pulse\$3generator\$1) or (pulse adj generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:43
S63	125	S39 S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:43
S64	1	("5934554").PN.	USPAT; USOCR	OR	OFF	2008/08/19 13:51
S65	1	("4980538").PN.	USPAT; USOCR	OR	OFF	2008/08/19 13:53
S66	35540	(temperature sensor) with (temperature control device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:56
S67	763	(temperature adj sensor) with (temperature adj control adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:56
S68	48	(temperature adj sensor) with (temperature adj control adj device) with input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:57
S69	49	S67 S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 13:58
S70	1	("6845628").PN.	USPAT; USOCR	OR	OFF	2008/08/19 14:02
S71	1	S70 S67	USPAT	AND	ON	2008/08/19 14:06

S72	48	S39 sensor (depth with refrigerant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/19 14:51
S73	2	S47 (liquid adj nitrogen)	USPAT	AND	OFF	2008/08/19 14:59
S74	1	("4506143").PN.	USPAT; USOCR	OR	OFF	2008/08/19 15:01
S75	1	("4485863").PN.	USPAT; USOCR	OR	OFF	2008/08/19 15:03
S76	5	(refrigerant with line) same (circumfer\$6 adj edge)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 12:59
S77	33	(refrigerant with line) same vat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 13:01
S78	4	(coolant with line) same (circumfer\$6 adj edge)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 13:02
S79	37	("2002/0092471").URPN.	USPAT	OR	OFF	2008/08/20 13:12
S80	141913	(pulse\$3generator\$1) or (pulse adj generator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 13:26
S81	467	S80 same valve same temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 13:26
S82	86	S80 with valve with temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 13:26
S83	1	("2006/0156753").URPN.	USPAT	OR	OFF	2008/08/20 13:27

S84	1	("3741176").PN.	USPAT; USOCR	OR	OFF	2008/08/20 13:35
S85	1	("5850644").PN.	USPAT; USOCR	OR	OFF	2008/08/20 13:37
S86	1	("5546756").PN.	USPAT; USOCR	OR	OFF	2008/08/20 13:42
S87	0	S86 same pulse same valve	USPAT	OR	OFF	2008/08/20 13:44
S88	1	S86 (pulse same valve)	USPAT	AND	OFF	2008/08/20 13:44
S89	9	("1671531"   "3092974"   "3287925").PN. OR ("3595030").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/20 14:39
S90	721	62/451.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/20 14:47
S91	2	S90 vat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 14:49
S92	22	S90 circumfer\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 14:50
S93	40	S90 (circumfer\$6 or perimeter\$1 or outer \$1edge or outer adj edge)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 14:50
S94	70512	(gas\$1outlet) or (gas adj outlet) or (gas\$1exit\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:01
S95	6	S90 S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:02

S96	88	(protective\$1 bell) or (protective adj bell)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:03
S97	50470	cryogenic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:08
S98	26145	S97 (cover or bell or dome or case)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:09
S99	26267	S97 (cover or bell or dome or case or hood)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:09
S100	7210	S99 outlet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:09
S101	6704	S100 gas\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:11
S102	1765	S101 sample	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:11
S103	29	S102 glove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:11
S104	70387	(gas\$1 outlet\$1) or (gas adj outlet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:14

S105	3	S103 S104	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:14
S106	40	(cryogenic adj chamber).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 15:19
S107	0	S106 (prevent adj6 mist\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 16:56
S108	1	("3793806").PN.	USPAT; USOCR	OR	OFF	2008/08/20 16:57
S109	1185464	fog\$4 or mist\$3 or steam \$3 or humid\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 16:59
S110	176186	gas\$4 with S109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:00
S111	122438	"62".das.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:00
S112	2896	S110 S111	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:00
S113	2156	S112 (outlet or escape or exit or release)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:01

S114	1436361	coolant or refrigerant or (cooling\$1agent\$1) or (cooling adj agent) or (liquid \$1nitrogen) or (liquid adj nitrogen) or nitrogen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:03
S115	1686	S113 S114	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:03
S116	52	refrigerant with escape with gas\$3 with outlet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:10
S117	11	refrigerant with escape with gas\$3 with outlet with (bottom or lower)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:11
S118	1	("7160718").PN.	USPAT; USOCR	OR	OFF	2008/08/20 17:15
S119	0	("EP1798499").PN.	EPO	OR	OFF	2008/08/20 17:18
S120	0	EP1798499	EPO	OR	OFF	2008/08/20 17:18
S121	1	"1798499"	EPO	OR	OFF	2008/08/20 17:18
S122	0	gas adj outlet adj on adj (bottom or lower)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:20
S123	1317	gas adj outlet adj2 (bottom or lower)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:20
S124	28	S123 S111	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/08/20 17:21

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